In the Claims:

1. (Currently Amended) A method for determining whether a female subject is predisposed to having ~~an adverse pregnancy outcome~~ a low birth weight baby, said method comprising the steps of:

    a) ~~obtaining~~ providing a nucleic acid sample from the subject; and

    b) detecting an IL-1A (+4845) allele 2 or an IL-1B (-511) allele 2 ~~or an allele of the 33221461 haplotype in linkage disequilibrium with an IL-1A (+4845) allele 2 or an allele of the 44112332 haplotype in linkage disequilibrium with an IL-1B (-511) allele in a sample~~, wherein detection of said allele indicates that the subject is predisposed to ~~an adverse pregnancy outcome~~ having a low birth weight baby.

2. (Cancelled)

3. (Currently Amended) The method of claim 1, wherein said detecting ~~step~~ is selected from the group consisting of allele specific oligonucleotide hybridization; size analysis; sequencing; hybridization; 5' nuclease digestion; single-stranded conformation polymorphism; allele specific hybridization; primer specific extension; and oligonucleotide ligation assay.

4. (Currently Amended) The method of claim 1, wherein prior to the ~~detection~~ detecting step, the nucleic acid sample is subject to an amplification step.

5. (Cancelled)

6. (Currently Amended) The method of claim 3, wherein said size analysis is preceded by a ~~restriction enzyme~~ digestion with a restriction enzyme.

7. (Currently Amended) A method of claim 6, wherein said restriction enzyme ~~digestion uses a restriction enzyme~~ is selected from the group consisting of: Nco I, Alu I and Msp I.

8. (Cancelled)

9. – 79. (Cancelled)

80. (Cancelled)

81. (Cancelled)

82. (Cancelled)

83. (Cancelled)

84. (Cancelled)

85. (New) The method of claim 1, wherein said subject is pregnant.